

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A video processing apparatus for an input video signal, comprising:

a random number generator to generate scramble key information concerning a previous video picture and used for descramble;

a watermark generator to generate a watermark signal including the scramble key information concerning ~~[[a]]~~ the previous video picture;

a multiplexer to multiplex the watermark signal on the input video signal to generate a multiplexed signal including the scramble key information;

an encoder to encode the multiplexed signal to output encoded video data including the scramble key information; and

a scrambler to scramble the encoded video data to ~~generate output~~ scrambled video data including the scramble key information to be used for descramble.

Claim 2 (Original): The video processing apparatus according to claim 1, which further comprises a descrambler to descramble the scrambled video data using the scramble key information concerning the previous video picture to generate a descrambled video signal.

Claim 3 (Currently Amended): A video processing apparatus for an input video signal, comprising:

means for generating scramble key information concerning a previous video picture and used for descramble;

means for generating a watermark signal including the scramble key information concerning [[a]] the previous video picture;

means for multiplexing the watermark signal on the input video signal to generate a multiplexed signal including the scramble key information;

means for encoding the multiplexed signal to output encoded video data including the scramble key information; and

means for scrambling the encoded video data to ~~generate~~ output scrambled video data including the scramble key information to be used for descramble.

Claim 4 (Original): The video processing apparatus according to claim 3, which comprises means for descrambling the scrambled video data using the scramble key information concerning the previous video picture to generate a descrambled video signal.

Claim 5 (Currently Amended): A video processing method for an input video signal, comprising:

generating scramble key information concerning a previous video picture and used for descramble;

generating a watermark signal including the scramble key information concerning [[a]] the previous video picture;

multiplexing the watermark signal on the input video signal to generate a multiplexed signal including the scramble key information;

encoding the multiplexed signal to output encoded video data including the scramble key information; and

scrambling the encoded video data to generate scrambled video data including the scramble key information to be used for descramble.

Claim 6 (Original): The video processing method according to claim 5, which comprises descrambling the scrambled video data using the scramble key information concerning the previous video picture to generate a descrambled video signal.